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002/009

OCT 19 2007

Docket No. F-8836

Ser. No. 10/552,255

AMENDMENTS TO THE CLAIMS:

Please replace the claims with the claims provided in the listing below wherein status, amendments, additions and cancellations are indicated.

1. (Currently Amended) A ~~[[self]]~~ light-emitting device, comprising:
~~wherein, the self light-emitting device comprises a spherical photo-electric~~
converting ~~element~~ elements connected in series and each having a substantially
spherical light receiving surface;

a lens member that guides or condenses for guiding or condensing light to
said spherical photo-electric converting element;

a condenser for accumulating electric power generated by said spherical
photo-electric converting elements;

[[a]] luminous bodies body that emit light using an electric power generated
by said spherical for emitting light and powered by said photo-electric converting
element elements;

a light emitting control circuit for controlling a conduction of electric power
to said luminous bodies;

a photo-detecting sensor incorporated into said light emitting control circuit,
said photo-detecting sensor having an ultraviolet sensor and a direct-current
amplifying circuit amplifying a voltage corresponding to an intensity of ultraviolet
rays detected by said ultraviolet sensor and transmitting the amplified voltage in

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said light emitting control circuit, and said light emitting control circuit selectively driving said luminous bodies to emit light based upon the amplified voltage as an output of said ultraviolet sensor; and

a sealing member ~~embedding above described whole elements integrally~~ for enclosing the light emitting device into an integral unit.

2-7. (Canceled).

8. (Currently Amended) The self light-emitting device according to claim [[2]] 1, wherein, said lens member and said sealing member are formed with the same type of synthetic resin material.

9-14. (Canceled).

15. (Currently Amended) The [[self]] light-emitting device according to claim 1, wherein, a reflection member is formed from a transparent resin material ~~where a light is reflectible is~~ having a reflective surface that is provided adjacent to said spherical photo-electric converting ~~element~~ elements and said luminous [[body]] bodies.

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16. (Canceled).

17. (New) The light-emitting device according to claim 1, wherein said light emitting control circuit selectively drives one of said luminous bodies at a time to emit light based upon the output of said ultraviolet sensor so as to indicate a range of the intensity of ultraviolet rays detected by said ultraviolet sensor.

18. (New) A light emitting device comprising:

spherical photo-electric converting elements each comprising:

a spherical crystal formed of one of p type semiconductor and n type semiconductor material;

a diffusion layer formed adjacent a surface of the spherical crystal;

a pn junction formed by said diffusion layer in the spherical crystal;

first and second electrodes connected to opposing sides of the pn junction and respectively disposed on opposing top and bottom sides of said spherical crystal with a center of said spherical crystal disposed substantially between the first and second electrodes; and

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a substantially spherical light receiving surface;

semispherical lens members for directing light to the spherical photo-electric converting elements;

partial-spherical metallic reflection members disposed below the spherical photo-electric converting elements and configured to reflect light incident on the partial-spherical metallic reflection members to a lower surface of said spherical photo-electric converting elements, each of said partial-spherical metallic reflection members being configured to function as a lead frame and being connected to the second electrode of a corresponding one of said spherical photo-electric converting elements disposed above said partial-spherical metallic reflection member;

a luminous device for emitting light using power from said spherical photo-electric converting elements;

a synthetic resin member integrally formed with the lens members and embedding the spherical photo-electric converting elements, the luminous device, and the partial-spherical metallic reflection members; and

said spherical photo-electric converting elements being connected in series by said first electrodes of each of said spherical photo-electric converting elements, with exception of a last one of said spherical photo-electric converting elements in the series, being connected to one of the partial-spherical metallic

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reflection members disposed below an adjacent one of said spherical photo-electric converting elements in the series.

19. (New) The light emitting device according to claim 18 wherein said second electrodes are connected to the partial-spherical metallic reflection members by a conductive bonding material.

20. (New) The light emitting device according to claim 19 wherein said luminous device has a first electrode bonded to by conductive material to an extension of one of said partial-spherical metallic reflection members corresponding to said last one of said spherical photo-electric converting elements in the series, and said luminous device has a second electrode electrically connected to a first electrode of a first one of said spherical photo-electric converting elements in the series.

21. (New) A light-emitting device, comprising:
spherical photo-electric converting elements connected in series and each having a substantially spherical light receiving surface;
a condenser for accumulating electric power generated by said spherical photo-electric converting elements;

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luminous bodies for emitting light and powered by said photo-electric converting elements;

a light emitting control circuit for controlling a conduction of electric power to said luminous bodies;

a photo-detecting sensor incorporated into said light emitting control circuit, said photo-detecting sensor having a light sensor and an amplifying circuit to amplify an output of the light sensor to reflect an intensity of light rays detected by said light sensor and transmit the amplified output in said light emitting control circuit;

said light emitting control circuit selectively driving said luminous bodies to emit light based upon the amplified output of said light sensor; and

a sealing member for enclosing the light emitting device into an integral unit.

22. (New) The light-emitting device according to claim 21, wherein a reflection member is formed from a transparent resin material having a reflective surface that is provided adjacent to said spherical photo-electric converting elements and said luminous bodies.

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23. (New) The light-emitting device according to claim 22, wherein said light sensor is an ultraviolet light sensor.

24. (New) The light-emitting device according to claim 21, wherein said light sensor is an ultraviolet light sensor.